

ELECTROSTATIC DISSIPATING GARMENTS AND FABRICS FOR USE IN MAKING SAME

ABSTRACT

5 Electrostatic dissipating fabrics incorporating spun yarns which include
conductive staple fiber constituents incorporated within the spun yarns, and a
grid of electrically conductive filament yarns. The fabrics may be of either a
woven or knit construction. The conductive fiber constituents are dispersed at
an effective concentration to establish a network of charge carrying junctions
10 within and between the individual yarns and between the conductive filament
yarns. The large number of junctions between the yarns facilitates the
dissipation of static electricity between regions of a garment formed by the
yarns. In particular, the fabric retains a high degree of conductivity across
seams within the garment even after multiple washings.

15